Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/29/2020 11:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123039	-2	3.48	123172	3.35
Blue	F	SSC	125000	124504	-1	1.66	125188	1.62
Blue	E	FITC	15892	15431	-3	2.88	336	21.27
Blue	D	PE	29999	29140	-3	1.97	632	15.96
Blue	B	PerCP-Cy5-5	43732	43100	-2	3.75	1156	21.47
Blue	A	PE-Cy7	30845	30639	-1	6.16	587	42.62
Red	C	APC	46112	44607	-4	2.43	1576	12.25
Red	A	APC-Cy7	30458	29332	-4	2.35	775	12.34
Violet	B	V450	7918	7561	-5	4.15	440	13.13
Violet	A	V500	32171	31033	-4	3.95	729	10.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16421	18.93	649	28	N/A	N/A	Pass
Blue	F	SSC	57523	1.21	582	23	N/A	N/A	Pass
Blue	E	FITC	62	67.39	551	8	0.0178	164	Pass
Blue	D	PE	131	51.01	557	9	0.1218	186	Pass
Blue	B	PerCP-Cy5-5	214	52.04	664	8	0.0081	45	Pass
Blue	A	PE-Cy7	109	107.83	710	12	0.0101	23	Pass
Red	C	APC	377	25.78	592	8	0.0240	177	Pass
Red	A	APC-Cy7	172	29.25	562	6	0.0052	838	Pass
Violet	B	V450	66	56.38	467	9	0.0414	1412	Pass
Violet	A	V500	109	31.95	482	8	0.0213	436	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.47	-32.57	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	14.51	13.60 - 20.40	N/A	N/A	29.39	30.32	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9616

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments